

Human_p53	MEEPQSDPSEVEPLSQEETPSDINFKLIPENNY--LSP-LPSQAMD
Xeno_p53	WE-PFSSETGMDPLPSQELTFEDWMSLP-D-----PIQTVT
Squid_p53	MSGQTS-----PNSEQTNLMNDMSDEQVATANEYTIHERGVGYEHEAEPDQTSLEISA
Cpb_p53	WS-SQSD-----FLPPDYONELAEMSGD-----MDNLN
Trib_p53A	WS-QQS-----QFSILPDVKFTEDH-----GLKDVV-----V
Trib_p53B	-----
Helo_p53	-----
Dros_p53	MYISQP-----MSWHKESTDSQSDSTEVDIK-----EDIPKTV
Consensus	m          qs             et        l        le                                    I

[illegible]

Human\_p53 PL-SSSVPSQKTYQGSGTGERGRLH-SGLAKSVCTCTYSPALNKMTCQLAKTCFVOLWVD  
Xeno\_p53 ---SCAVSTTDYNAKGYGLQDFQD-NGTAKSVCTCTYSPALNKLYCOLAKTCPLVRVE  
Squid\_p53 VQSPQSVPSNKKYSGYGLYELMSAQPSKETKSTWTYSEKIDKLYRWAWATCPVRERKTA  
CPB\_p53 --VQTSVPSNIDKDGPEYEEEDYHP--TVAKSNWVYSTLNKLYMTWSTGSPVDFRTA  
Trib\_p53A ---DQPNLGTETTPGPNWSTLSSP--NEQKSPWEYSEKLNKLTGINVKFPVAESVQ  
Trib\_p53B ---SEPLELCNTEYPGPLNEEYVCP--NVLNKPNWEXSPILNKLYTDMKHKPFINESVK  
Helio\_p53 -----HEMKCNESVQLENWD  
Dros\_p53 QIQANTLPKLENHNITGGYGSWYIDE---PKSLNMYSLIPLNKLYNRMKANVDQVFK  
consensus q svpsq dy g y f l v k tw ys lnkmy ma fpy f v

Human\_p53 STPR-PTGTRVMAVAKKQSGKHTETVRCDFHHKRCSD-----SDGLAPDQHLIRVEGNLR  
Xeno\_p53 SPPR-RGSLIRATLVAKKSEVAVKRCFHHKRSVEP---GEDAPSHLRVGNLQ  
Squid\_p53 RPPR-SGCGIRAMPLIAKRPBHVQVYKRGNNIAKTAHKK--NEKHPALHIVRCGKYL  
CPB\_p53 HRPP-NPLTIRSTPVSAPOAOECVYKRIINHHFSKES--DGLDKEHRIPIHRCANQYA  
Trib\_p53A NRPNQNLPLIRATPVYSGTQTHQDVAKRGVGRHPQDQS--NKGVAPHITQHIIRCLNDNA  
Trib\_p53B KADPRERLTIVKRVVMAKKEEDRYQVQIHHKICHHQLDPT--NHNVSEMAQIHLIRCDNNNA  
Trib\_p53 YQKA-PHMKVRSSTVVDKFOAKRVYKRCVQHFHSESTSGIQTETIAKNVLHSSREIGTQNS  
Xeno\_p53 SKMKIQPLNTIRVFLCESND--VSAPVVEGQNLHLSVEPLT---ANNAKRSTLRSEPNNS  
Xenopus\_p53 pp 1fkratpys hygeyv rc1nhe d s d 1 h1ircannna

[illegible][illegible]

Fig. 1B

Human_p53	ITLEDSSGNTLGRNSFVTRVACAPGRDRRTTE-NLRKKG-----EPHHELPEGSTKRALP
Xeno_p53	ITLETPOGLILGRRCFEVRVACAPGRDRRTED-NYTKK-----RGLKBSG--KRELA
Squid_p53	FTLEK-DNOVGRRAVEVRACAPGRDRKADKASLYSK-----PPSPKNGFPORSLV
CPB_p53	FTLEDNQGTIVGRKTLNVRICSPKRDKEKEDNTANT-----NLPHG-KKRKE
Trib_p53A	FTLEDNKGEVFGRLVGRVCSCKPRDNDKEK-DMESA-----VPPRRKKKKG
Trib_p53B	FTLEDAMGNTHGRKVGAR-----
Helio_p53	FTLEKACGDIWGOHVHVKICTCPKRDRIODERQLNSKKRKSVPPEAAFEDEPSKVHCLTA
Dros_p53	ftled g ligr v vivc cp rdr eek k p g kr l
consensus	
Human_p53	NNTSSSP-QPKK--KPLDGEYFTTQIRGRERFERPRENEATLTKDAQAG-----
Xeno_p53	HPSSSEPLPKRLVDDDEEFTLRKGRSRXEMIKENDALDELQESDDQ-----
Squid_p53	LTNDITKTPKK--RKIDECFTKVRGRNEVELCKRDTELAARPEAERLLYKQE
CPB_p53	KPSKKPMQTQAE--NDTKFTLPLVGRHNEQNVLRKCHDMAGEITRN-----
Trib_p53A	NDERRVVPQGS--DNKIFALNTHPGKKNYLQALWCCDMLANEILKKQ-----
Trib_p53B	-----
Helio_p53	IKTEDTESNDSKDCDDSAAEWNVSRTPDGDYRLATCPNKKEWLIQSIEGMIK-----
Dros_p53	k t l i gr f m kl e l d l
consensus	
Human_p53	-KEPGG--SRAHSHLKSKKGQ-----STSRHKKIMFTEGPDSD-----
Xeno_p53	-KVTIK--CRKCRDEIKPKKG-----KLLTKDEQDSE-----
Squid_p53	ROAPIGRITSLPSSSGNSQDSGRSSTAFSTDSQVNSSQNNFOMVNGQVPHHEETPVT
CPB_p53	--IG--NGTEGPKIALN-----KNTLLIRSSSE-----
Trib_p53A	--EQG--GD-DSADKNCYN-----EITVLINGTAAPD-----
Trib_p53B	-----
Helio_p53	-----
Dros_p53	--EAAEVLRNPNQENLRHAN-----KLSSKKRAYLP-----
consensus	g k lmv d
Human_p53	-----
Xeno_p53	-----
Squid_p53	KCEPTENTIAQWLTKLGLQAYIDNFQOKGLHNMFLQDEFTLEDLSMRIGTGHRNKIWS
CPB_p53	-----
Trib_p53A	-----
Trib_p53B	-----
Helio_p53	-----
Dros_p53	-----
consensus	
Human_p53	-----
Xeno_p53	-----
Squid_p53	LLDYRRLSSGTESQLQHAASNASTLSVGSQNSYCPGFYEVTRYTKHTSYL
CPB_p53	-----
Trib_p53A	-----
Trib_p53B	-----
Helio_p53	-----
Dros_p53	-----
consensus	